

ANALYSIS SEMINAR

Invariant subspaces of finitely strictly singular operators

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Abstract: *An operator between Banach spaces is said to be strictly singular if its restriction to any infinite-dimensional subspace is not an isomorphism. An operator satisfying a similar condition for finite-dimensional subspaces is called finitely strictly singular. These classes of operators are similar to compact operators. It has long been known that compact operators have invariant subspaces. However, until recently, the Invariant Subspace Problem remained open for (finitely) strictly singular operators. I will talk about some recent advances in this area.*

Students are welcome.